


# Aron Teh



 aronteh.com  aronteh  Ellipsoul  aronteh.chess@gmail.com

## Professional Experience

### Stripe

Mar 2024 – present | Dublin, Ireland

#### Software Engineer

- Extended integrated pricing structure to support Klarna custom pricing for *multiple financing periods*  .
  - Coordinated between engineering, product and pricing teams, coding across **Ruby** and **Java** codebases.
  - Facilitated **\$25M+/month** in new payment volume due to early adoption from large enterprise merchants.
  - Identified critical pricing system shortfalls. Proposed and rallied large cross-team improvement efforts.
- Built **API** features for Stripe's Klarna Integration in collaboration with Klarna's major version API upgrade.
  - Individually **scoped** and implemented a complex, nested Supplementary Purchase Data field, enabling Klarna to complete assertive risk assessments, minimising fraud and improving conversion.
  - Introduced support to correlate *purchase countries with payments*  , facilitating regulatory compliance.
- **Organised** and hosted a 3-day knowledge sharing onsite for a newly-formed team of **4** Stripe engineers.
- Served on the interview committee. Wrote and provided guidance for new interview question creation.

### Amazon

Nov 2022 – Feb 2024

#### Software Engineer

London, United Kingdom

- Implemented right-to-left language and layout support for Prime Video's **React/TypeScript** application.
  - Built the 2-dimension RTL input navigation logic, and the global application direction state manager.
  - Planned and delegated tasks to **3** engineers. Launch in **8** regions increased Prime subscriptions by **11.52%**.
- Redesigned legacy React elements into performant **SolidJS** components, reducing app FPS bottlenecks.
- Migrated Prime Video's metrics and monitoring system to a structured, efficient and predictable platform.
- Resolved customer-impacting high severity on-call **incidents**, utilising **AWS** CloudWatch and Elasticsearch.

### THG

Sep 2021 – Oct 2022 | United Kingdom

#### Software Engineer


- Developed complex **Angular UIs** in collaboration with UX designers, used by 100+ enterprise clients.
- Maintained Java **GraphQL APIs** powering the Content Management System (CMS) for *THG Commerce*  .
- Created and owned the team's **documentation**, improving engineer onboarding and development velocity.

## Education

### Imperial College London

2017 – 2021 | London, United Kingdom

#### MEng Aeronautical Engineering, 2:1 (69.6%)

- Master's Thesis  : Explored a parallel **Python** implementation and solution to the sparse conic optimisation problem, using the Alternating Direction Method of Multipliers.
- Modules: **High Performance Computing**, Mathematics, Numerical Analysis, Optimisation, Finance.


## Technical Skills

HTML, CSS, JavaScript, TypeScript, Java, Python, Ruby, SQL, Git, REST, React (v18), Next.js, Angular, Firebase, Tailwind, MongoDB, Jest, JUnit, npm, Bash, Testing (Unit, Integrated, E2E), AWS, gRPC, Docker, Kubernetes, Continuous Integration, Continuous Deployment, GraphQL, Bazel, Flask

## Languages

**English** (Native) | **Chinese** (Native) | **German** (Beginner) | **Cantonese** (Beginner)

## Interests

**Chess**  (Youngest Malaysia National Chess Champion (2013); FIDE Master (Lifetime International Title); World Chess Olympiad Participant (Norway 2014); President of Imperial College London Chess Club (2018-2019), won 1st place in every competition, 2700+ Chess.com/Lichess, Private Chess Coach) |

**Quantitative Finance** | **Machine Learning**  | **Sports** (Swimming, Badminton) | **Music**